

German Patent No. 19,406 Issued Sept. 12, 1882; patented in German from
March 7, 1882.
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Novelties in the production of asbestos weaves.

First asbestos threads (wire, spun yarn with metal inlay or with an inlay of other spinnable material, such as twine, hemp, flax, silk, wool, cotton, jute, hair or the like, is produced, the metal wire of fiber-material yarn being so spun over with asbestos fibers that the inlay is even enclosed from all sides. Then, from this thread, covered with asbestos, any kind of fabric, knitted, plaited, corded, woven or crocheted, may be made, and these will have, besides a greater resistance (strength), also the properties like those of pure asbestos fabric.

The use of metals, iron, steel, copper, brass, platinum and even zinc wire, galvanized or not, as inlay of the threads mentioned or inlay of the other spinning materials mentioned above, will depend on the purpose for which the fabric is to be used. Thus, for example, metal inlays are used for fireproof fabrics; for filtering purposes, inlays are chosen which are not attacked by the fluid to be filtered; for heat protective materials, inlays are chosen from poor heat conductors. For the production of threads, string, plaits cable, rope, the kind of inlay is also determined by the purpose; thus, for example, for additions to flanges, steam cylinder and pipe sealing rings, as well as for stuffing boxes and also for electric lines, metals are preferably chosen. Especially flexible and very easy to weave are asbestos threads with spinning materials as inlay. Asbestos threads prepared in the way mentioned may also be used for the production of a kind of embroidery, as well as for fabrics, in which either the warp or the woof consists of such threads, and namely, in the first case, the woof, and in the last, the warp consist of other substances, not only spinning materials, but also, for example, wood, fish bone, horsehair, pipe, etc. The embroidery may be made by means of

such asbestos threads on canvas of metal wire or other materials, on one or both sides of same.

Fabrics and materials produced in this way are especially suitable for theater curtains, decorations, clothing, fire screens, rescue hoses, rescue baskets, sacks for war needs, as well as covers, cloths and sacks for press-filters, etc.

Patent Claim:

The production and use of threads which consist of a metal inlay (wire) or other inlay of spinning material, such as hemp, flax, wool, cotton, silk, jute, hair and the like, and a covering of asbestos fibers, for fabrics of all kinds, in combination with other materials or without such, for string, plait, cable, rope, as well as a kind of embroidery, as described.

SPENCER TRANSLATIONS

5-15-81

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